



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

January 31, 2023

Dr. Gregory Piefer  
Chief Executive Officer  
SHINE Technologies, LLC  
3400 Innovation Court  
Janesville, WI 53546

SUBJECT: NOTIFICATION OF THE ISSUANCE OF ENVIRONMENTAL IMPACT STATEMENT SUPPLEMENT RELATED TO THE OPERATING LICENSE FOR THE SHINE MEDICAL ISOTOPE PRODUCTION FACILITY (DOCKET NO. 50-608)

Dear Dr. Piefer:

The U.S. Nuclear Regulatory Commission (NRC) has completed supplement 1 to NUREG-2183, "Environmental Impact Statement Related to the Operating License for the SHINE Medical Isotope Production Facility," regarding the SHINE Medical Technologies, LLC (SHINE facility) operating license application for the SHINE facility. Supplement 1 to NUREG-2183 is being issued in accordance with the National Environmental Policy Act of 1969, as amended (42 U.S.C. 4321 et seq.), as part of the NRC's process to decide whether, under the provisions of title 10 of the *Code of Federal Regulations* part 50, to issue a license to SHINE to operate the SHINE facility for a period of 30 years.

Enclosed is a copy of the notice of issuance of supplement 1 to NUREG-2183 being sent to the Office of the Federal Register. A separate notice regarding supplement 1 to NUREG-2183 will be placed in the *Federal Register* through the U.S. Environmental Protection Agency, which is anticipated to be published on February 10, 2023. supplement 1 to NUREG-2183 is also available through the publicly available records component of the NRC's Agencywide Documents Access and Management System ML23026A312. In addition, supplement 1 to NUREG-2183 can be found online on the NRC website at: <http://www.nrc.gov/reading-rm/doc-collections/nuregs/>.

As discussed in chapter 4, "Conclusions," of supplement 1 to NUREG-2183, the NRC staff's recommendation, unless safety issues mandate otherwise, is that the operating license be issued as proposed. This recommendation is based on: (1) the operating license application, including SHINE's supplemental environmental report; (2) consultation with Federal, State, tribal, and local agencies; (3) the staff's independent review; and (4) the consideration of public comments.

Should you have any questions, please contact Lance Rakovan, Senior Project Manager, by telephone at 301-415-2589 or via email at [Lance.Rakovan@nrc.gov](mailto:Lance.Rakovan@nrc.gov).

Sincerely,



Signed by Smith, Theodore  
on 01/31/23

Theodore B. Smith, Chief  
Environmental Review License Renewal Branch  
Division of Rulemaking, Environmental,  
and Financial Support  
Office of Nuclear Material Safety  
and Safeguards

Docket No. 50-608

Enclosure:  
As stated

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**Dated:** January 31, 2023

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